# I. Program download and installation

Please take your time to install the PAB Program without disruption.

1. Create a folder for your PAB program on your computer (PAB Program folder).

2. In order to download the PAB program go to: www.pressureairbiofeedback.com

3. Click on **Program download**

4. Save the file in the PAB Program folder which you have created on your computer before.

5. Start **PAB_Self_Extract.exe**

6. Select the **Browse** button after the WinRar Window opens up.

7. Select your PAB folder.

8. Click on **Extract**

9. Go to Windows Explorer, open your PAB folder and click on **PAB_Set up.exe**

10. Follow the instructions in the installation window which opens up.

11. Chose Option **"Create desktop Icon"**

12. After you went through all the steps in the installation window, the Login window opens up. Please insert in the field **User** and **Password** each time the word "**admin"**
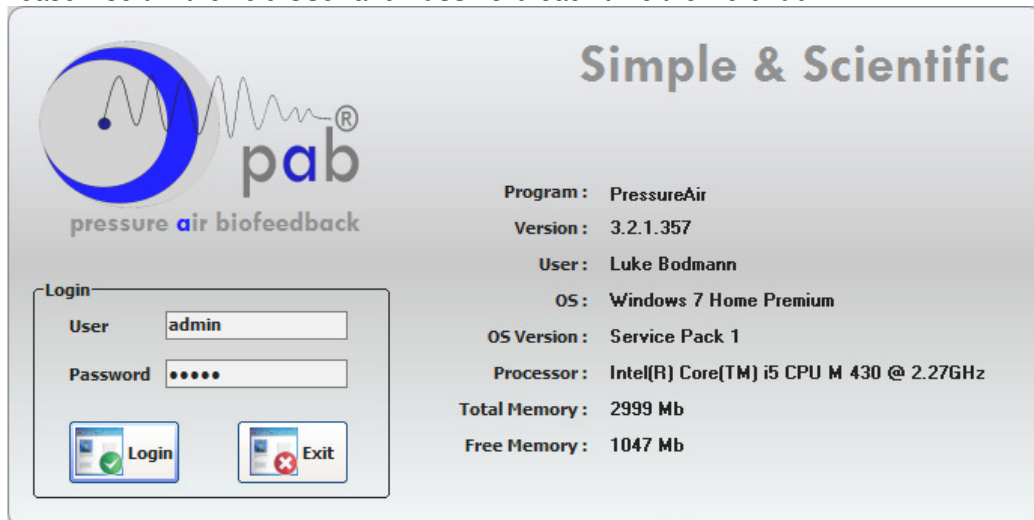
**13. Wait until main window opens**
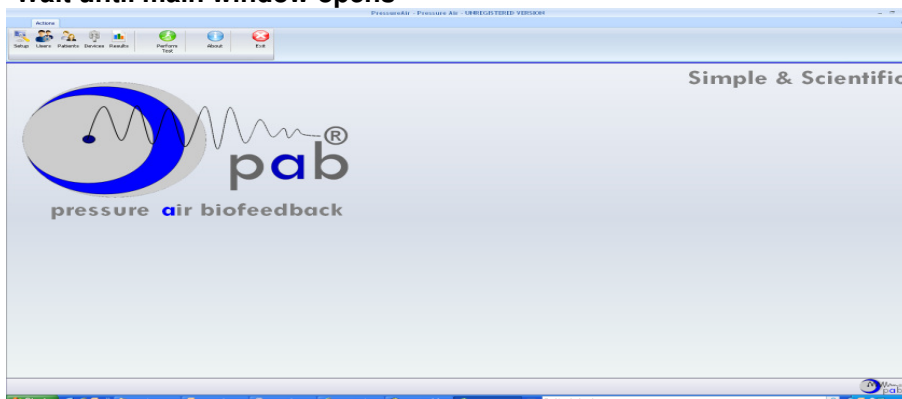

14. Close the PAB program!

II. Hardware Driver installation

Before you can use your PAB program, you need to install the hardware driver for your PAB device. Please note that the following screenshots may vary from your actual screen view depending on the version of your operating system.
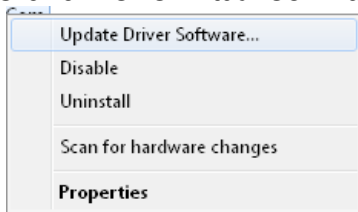
1. Connect your **PAB device (little box)** with the **USB port** on your computer.
2. The following message will pop up (screen, bar at the bottom right side)
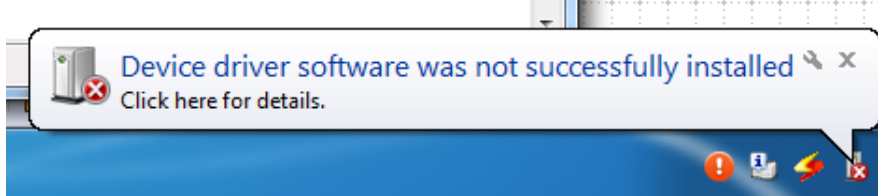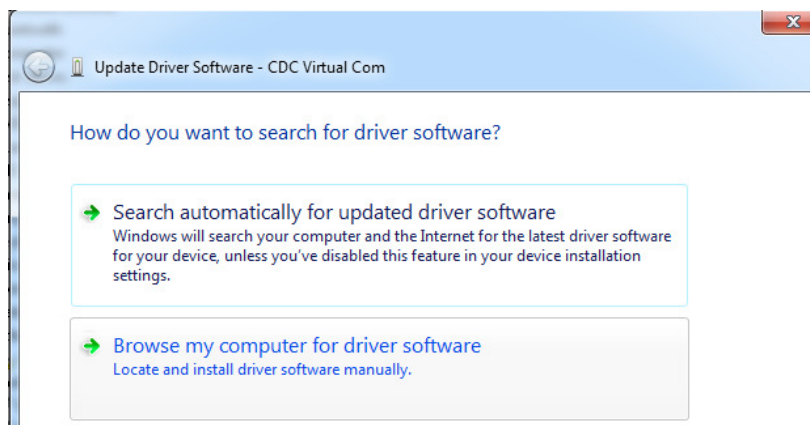

3. Navigate from start to control panel / system /device manager
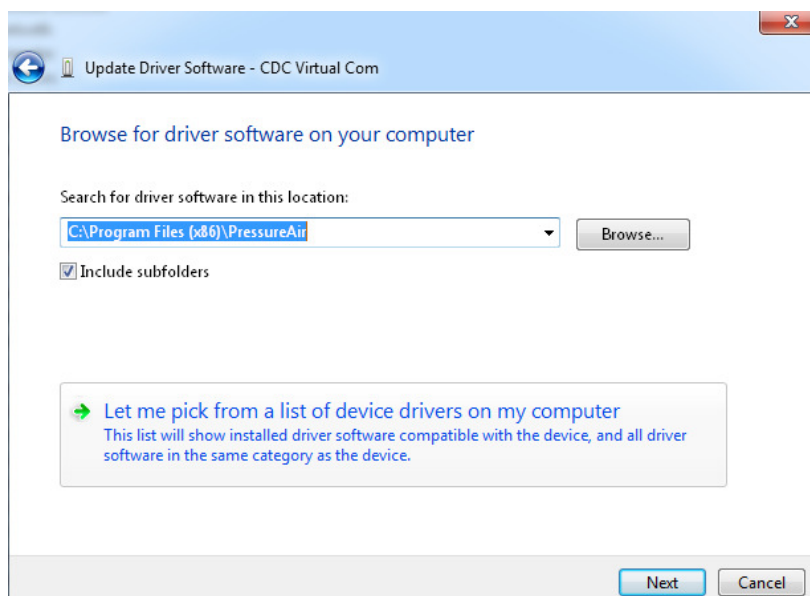4. Select the options which apply to you in the hardware assistant

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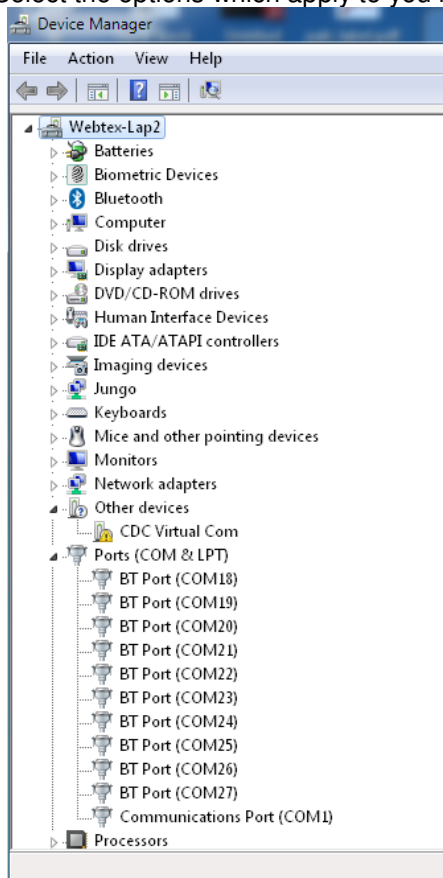
5. Click on **"CDC Virtual Com"** and then click on **"update driver software".**
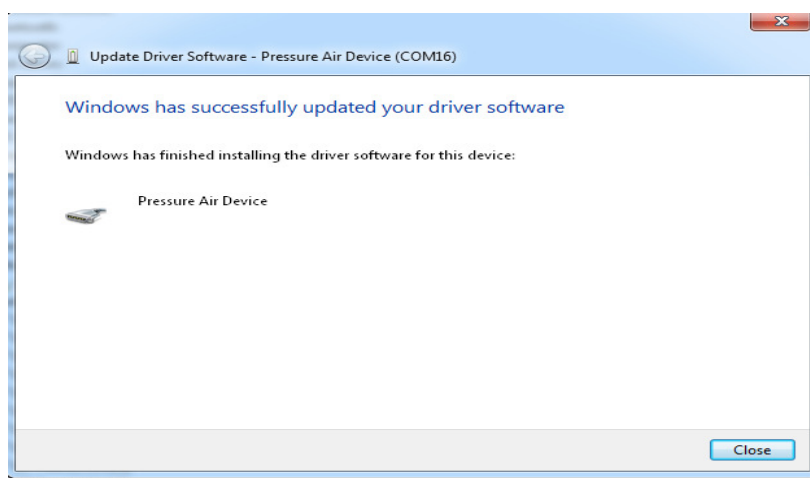
6. Click on selection box „**browse my computer for driver software**"

7. Navigate to the **"PressurAir"** directory and click **'NEXT'** and allow your pc to run install program

8. .When complete and driver is installed close window and exit **Device Manager**

III. Programm Setup

1. **Ensure that your PAB unit/device is connected to the computer prior to starting the PAB programme.**

2. To start your PAB program - double click the "**Pressure Air"** icon

3. The login window will show. For the first time using the program type **"admin"** for **User** and **"admin"** for **Password** as seen below:
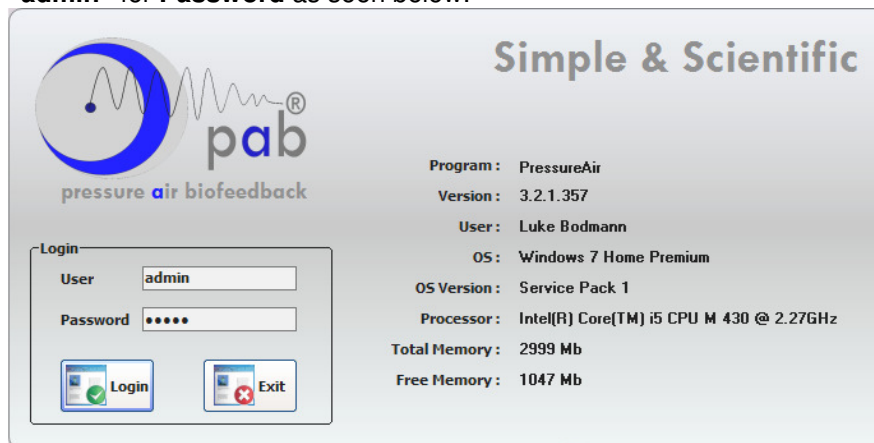
4. You will then see the main window. All navigation in the program will be done via this window.
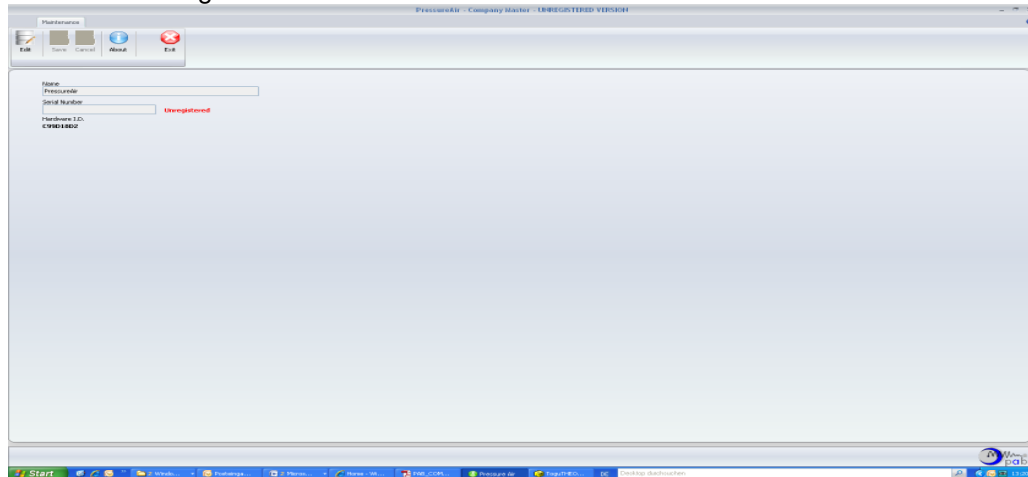
IV. Program registration

Going through the following steps you can register your PAB Program and receive the serial number which is needed for the registration.

1. Click the **"Setup"** icon in the upper bar to start the registration process

2. The following window will show:

3. Click the **"Edit"** icon in the image in the upper bar on the left side

4. Enter any name of your choice, for example the company name

5. Send an email with your **Name** and the **Hardware ID** number to **support@pressureairbiofeedback.com** –the hardware ID number which is located just below the field for the entry of the **serial number**.

6. The serial number will be send to you by email. This can take some minutes.

7. Upon receiving your Serial Number via email, you can now type it in under the **"Serial Number"**

8. Click the **"Save"** icon to register the program

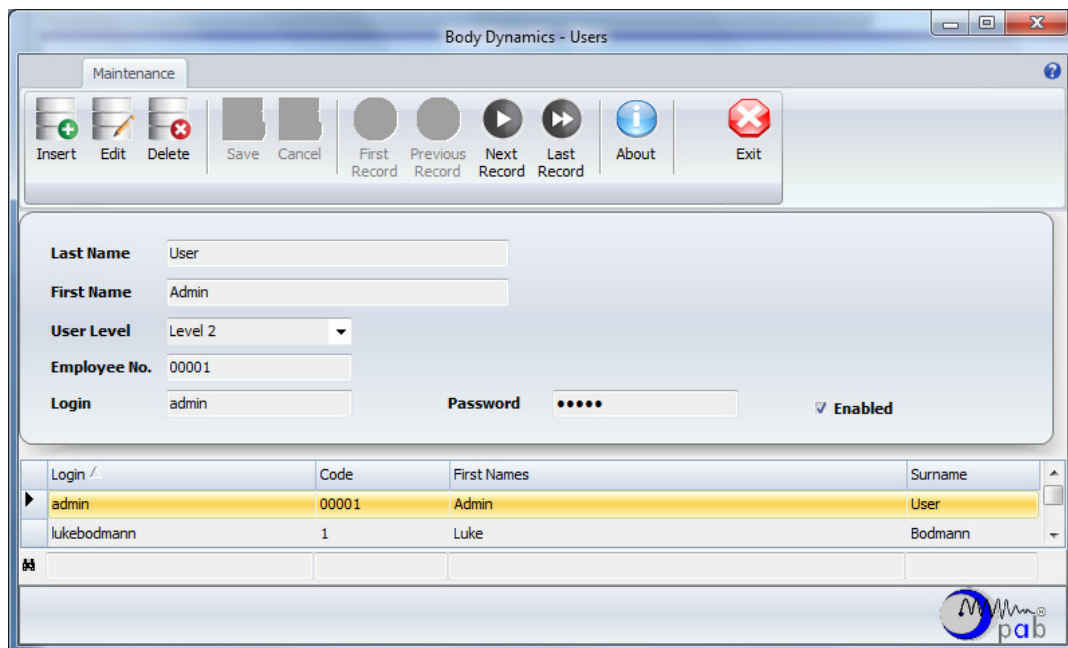9. Click the **"Exit"** icon to exit the Setup window.

V. Settings

User

You can define one or more users for the program. Follow these steps to create a profile for each user.

1. Click the **"User"** icon

2. The following window will appear:

3. Click the **"Insert"** icon to enter a new user.

4. Enter your Last and First Name in the relevant boxes.

5. User Level is set at level 2 as seen in the image above. You can also click on the drop down arrow as seen in the image below and change the **User Levels** accordingly. Hence **Level 0** = only allows the user to perform tests, **Level 1** = user has access to the entire programme except to view results and **Level 2** = user has full access.

6. By **"Login"** as seen in the image above you can change your **login** and **password** to your own personal one.

7. Click the **"Save"** icon to save user

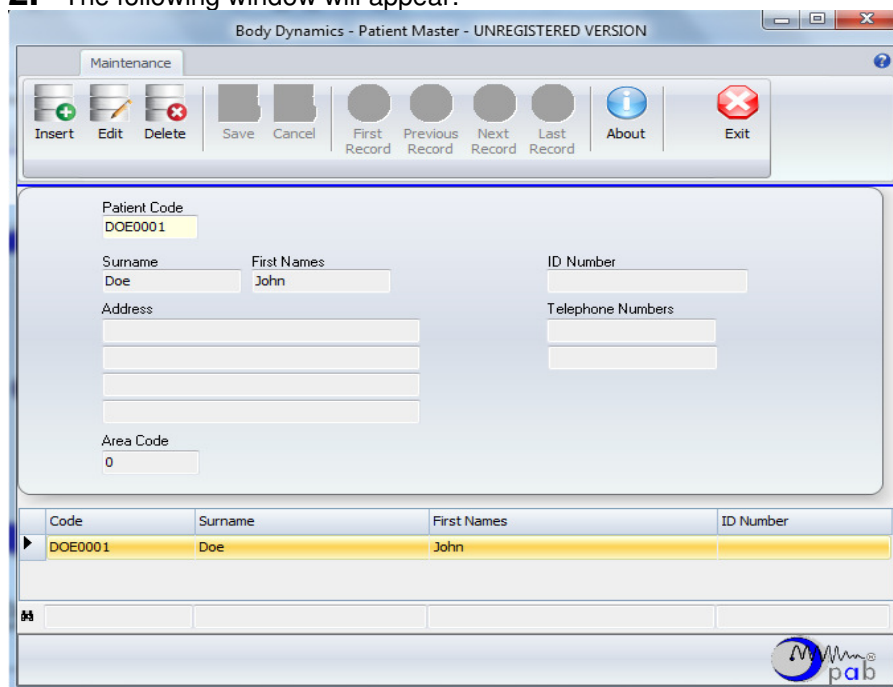**8.** Click the **"Exit"** icon to exit the Users window.

Patients

You can add patients to PAB with their own profile for easy testing and viewing of results after multiple tests.

1. Click on the **"Patient"** icon.

2. The following window will appear:

3. You can **insert** and **edit** a patient by clicking on the insert and edit icon respectively. To insert a new patient click the **"Insert"** icon

4. You can now fill in the patient's details such as name, surname, ID number, telephone number, address and area code. Once the details have been filled in click the **"Save"** icon to save the patient onto PAB.


5. PAB will automatically create a Patient Code for the patient you just entered as seen by the arrow labelled '1' in step 2. You can now use that code to locate and view the patient for testing and results. Click the "**Exit**" icon to exit the Patient Master window

Devices

The PAB device has to be calibrated before running a test. Proceed as follows.

1. Click on the „**Devices**" Icon
2. The following window will apprear:
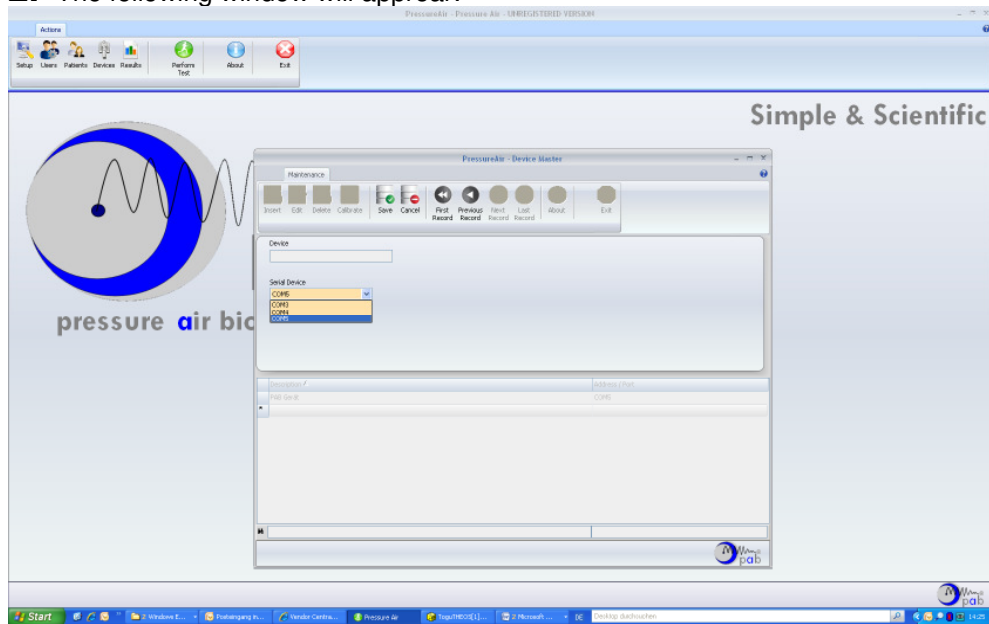
3. You have to insert the PAB device. Click on the „**Insert"** Icon or choose **"Edit"** if you want to make changes to an already existing device


4. Enter any name you choose for your PAB device in the „**Device"** box, e.g. PAB Device1.
5. Choose the USB port, to which your PAB device is connected to, in the drop down menu in the „**Serial Device"** box after clicking on the drop down arrow..

6. Click on the „save" icon save the data. After that the entered PAB device will appear in the bottom window

7. For calibration click on the PAB device, which is available in the window..
8. Insert the Needle of the PAB device in the needle valve of one of the TOGU products which are part of the PAB set. Please make sure to moisten the needle prior to inserting it and be careful not to harm the valve or the surface of the product.
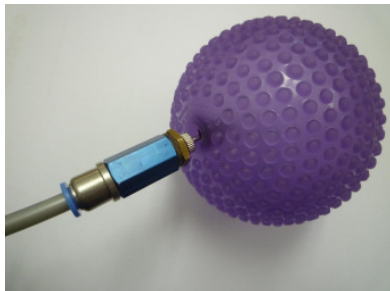
9. Click in the upper bar on the „**Calibrate"** icon.

10. A window showing the inside pressure will appear. Click the **"OK"** button. You have set the calibration value.

Example: - Handgrip Bodyroll is calibrated at 0,00 ± (release all air)
- Touch ball is calibrated at ± 150-155 mbar
- Dynair Ballkissen Senso is calibrated at ± 0,3 - 0,7 mbar

Note

In order to ensure comparable test results, the calibration value has to be the same everytime a test is repeated. Deviations of up to 5 Milibars are acceptable.

11. You can choose and define an individual calibration value. For this you need to connect the ballpump with the tube as shown on the picture below.

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12. STurn the blue control knob parallel to the tube until it snaps. **(see picture Open).**
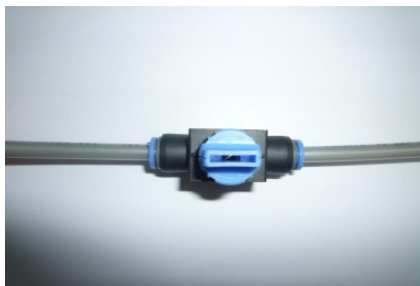
   Open   **Closed**

13. Pump carefully until the chosen pressure value appears in the calibration window in the screen.

14. In order to reduce air pressure, unscrew the needle off the ballpump. Insert only the needle as shown in step 11. Let out air until the desired value appears in the calibration window on the screen.

15. Ist After you are done, remove the needle from the valve and turn the control knob to a perpendicular position to the tube **(see picture Closed)**

16. Click on the **"Exit"** icon to leave the calibration window.

Perform Test

The PAB is now ready to perform a test.

1. Click on the „**Perform Test**" Icon

2. The following window will appear:
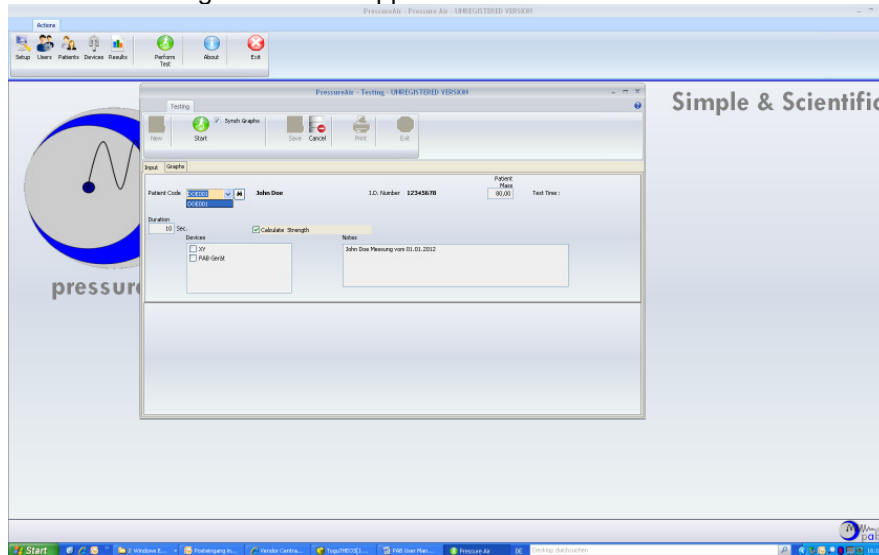
3. Choose the patient which will be tested. This patient has been created before in the PAB Program as described above (Chapter V. Settings/Patients). Click on the **"Insert"** icon.

4. Choose in the box „**Patient Code**" the patient you want to test.

5. Enter in the box „**Patient Mass**" the weight of the patient. This needs to be done to determine the relative strength of the patient.

6. Enter the desired time period in seconds in the „**Duration**" box. The test duration is not defined if 0 is entered and therefore the test will continue until stopped manually by clicking the **"Stop"** icon.

7. Choose in the box „**Devices**"which device you want to use for the test..

8. Save your own notes in the box „**Notes**".

9. Click on the „**Start**" icon.

10. The chart window will open and the test starts..The test ends either after the previously selected duration time has passed or if stopped by clicking on the "**stop**" icon.

Note

The User Manual describes in detail how tests are performed and results evaluated. This manual was part of your download and can be found in your PAB folder.

If you have further questions or problems running your PAB Program please contact: **support@pressureairbiofeedback.com**